

REMARKS

Applicant respectfully requests consideration of the present application in view of the foregoing amendments and in view of the reasons that follow. Claims 22-36 and 55-69 have been canceled. Claims 1, 5, 15-18, 20, 37, 40, 50-53, 70 and 71 have been amended. Claims 72-77 have been added. Claims 1-21, 37-54, and 70-77 are now pending in this application.

I. Claim Rejections Under 35 U.S.C. § 102(b)

On page 2 of the Office Action, Claims 1-71 were rejected under 35 U.S.C. § 102(b) as being anticipated by a paper title *Bridging Physical and Virtual Worlds with Electronic Tags* by Want *et al.* (Want). Claims 22-36 and 55-69 have been cancelled rendering their rejection moot. Applicant respectfully traverses the rejection of Claims 1-21, 37-54, and 70-71 because Want fails to teach, suggest, or disclose all of the elements of at least independent Claims 1, 37, 70, and 71.

Independent Claim 1 recites:

receiving specification of a virtual entity;

electronically receiving specification of a physical entity form factor;

providing a physical entity having said form factor, wherein said physical entity is employable in accessing said virtual entity.

Independent Claims 37, 70, and 71 recite a similar feature.

On page 2 of the Office Action, the Examiner states that “Want discloses ...; receiving specifications of physical entity form factor see Page 373-374 “Augmenting Books and Documents” & Page 374 “User ID.” Relative to “Augmenting Books and Documents,” Want states:

By augmenting a physical document or book with an RFID tag, we introduce a virtual linkage between that physical document and an equivalent or related electronic document(s). For example, consider a book consisting of a collection of printed

pages, such as a technical manual, a patent application, or a conference submission such as this paper. (It is most natural to associate tags with the document as a whole rather than the individual pages of these documents. This more accurately reflects our cognitive model of that object)

(pg. 373). Relative to “User ID,” Want states:

Tags can be imperceptibly added to existing physical artifacts used for user identification, such as ID cards, signet rings, watches, jewelry, or even keys. When such an artifact moves close to the computer, the user specified by the tag has their profile and preferences applied to the current context.

(pg. 374). Thus, Want describes a physical entity. However, Want fails to teach, suggest, or describe “electronically receiving specification of a physical entity form factor” as recited in Claims 1, 37, 70, and 71.

As a result, Want fails to teach, suggest, or describe all of the elements of at least independent Claims 1, 37, 70, and 71. An anticipation rejection cannot properly be maintained where the reference used in the rejection does not disclose all of the recited claim elements. The remaining claims depend from one of Claims 1, 37, 70, and 71. Therefore, Applicants respectfully request withdrawal of the rejection of Claims 1-21, 37-54, and 70-71 and allowance of Claims 72-77.

On page 2 of the Office Action, the Examiner further states that “Want discloses ...; receiving specifications of one or more physical entity cosmetic attributes see Page 375 “Augmenting Non-Document Objects: The Photo Cube.” Relative to “Augmenting Non-Document Objects: The Photo Cube,” Want states:

Virtual links may be associated with any physical container or object and may reference various media, not just textual information, For example, consider a "photo cube" (Figure 9). In this document container, a set of 6 related documents (photographs) are bound together within the same physical object. Each face or side of the cube has its own associated information set. augmented by a unique ill tag. This is one example of a 3D-augmented object.

To implement this prototype, we took a small balsa wood cubeoid (5cm by 7.5cm by 7.5cm), and drilled holes in each face such that each face could accommodate a disk-sized tag (see Figure 1). Each face was then covered with a photograph - one photo of each author of this paper. Each of these graphics had a corresponding Web site link. The virtual association for each face, then, was to the Web home page for the person or organization shown on that face. For example, in Figure 10, a photo of a team member is being touched to the computer. In Figure 11, as a result of this action, the computer is displaying that person's home page. The photo-cube illustrates one mechanism associating particular affordances of a specific physical object with a set of virtual documents.

(pg. 375). Thus, Want describes physically decorating a physical entity. However, Want fails to teach, suggest, or describe “electronically receiving specification of one or more physical entity cosmetic attributes” as recited in Claims 72, 74, 75, and 77.

As a result, Want further fails to teach, suggest, or describe all of the elements of at least Claims 72, 74, 75, and 77. An anticipation rejection cannot properly be maintained where the reference used in the rejection does not disclose all of the recited claim elements. Therefore, Applicants respectfully further request withdrawal of the rejection of Claims 72, 74, 75, and 77 for this additional reason.

Applicant believes that the present application is in condition for allowance. Favorable reconsideration of the application as amended is respectfully requested.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

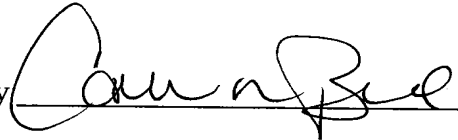
The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check or credit card payment form being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicant hereby petitions for

such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 19-0741.

Respectfully submitted,

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